Sixth National Green Power Marketing Conference

Green Certificate Trading and Tracking

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Environmental Resources Trust:

Renewable Portfolio Manager for the Northern Illinois Electric Alliance and the City of Chicago

Presented by:

Environmental Resources Trust



What is ERT?

A Not-for-Profit 501C (3) Organization

Founded with the Assistance of Environmental Defense

Seeks to engage Market Forces to Bridge the Gap between Economic and Environmental Aspirations



ERT as Renewable Portfolio Manager for the Alliance

Topics to Discuss:

- Description of ERT
- Description of EcoPowerSM
- ComEd/ERT Relationship
- How ERT Satisfies Alliance Renewable Requirements
- Possibilities for Developing New Resources

Concept:

Environmental Resources Trust will serve as the Alliance Renewable Portfolio Manager, utilizing EcoPowers from ComEd to satisfy Alliance renewable energy requirements.



EcoPowerSM Renewable Energy



What is EcoPowersM:

- EcoPowers is a servicemark of the Environmental Resources Trust (ERT) a private, non-profit organization founded with assistance of Environmental Defense
- Electricity that demonstrates a net environmental benefit (at least 50% lower emissions) compared to average system power in a region can be an eligible EcoPowersm resource
- EcoPowersM is derived from renewable energy resources such as landfill gas, wind, small hydro and solar

Benefits of EcoPowersm:

- All net premiums from EcoPowers sales are reinvested by ERT to promote new renewable energy development in Illinois
- ERT provides a Substantiation Memo quantifying the net environmental benefit of the resource versus system power



ComEd/ERT Relationship

- ComEd has entered into an agreement with ERT to market EcoPower™ at the wholesale level
- ComEd has exclusive rights to use the EcoPowersM label to market renewable energy generated from a resource located in Illinois
- Partnering with ERT, ComEd is taking a leadership position in promoting renewable energy development and markets in the Midwest
- Alliance RFQ provides a unique opportunity to expand renewable energy development

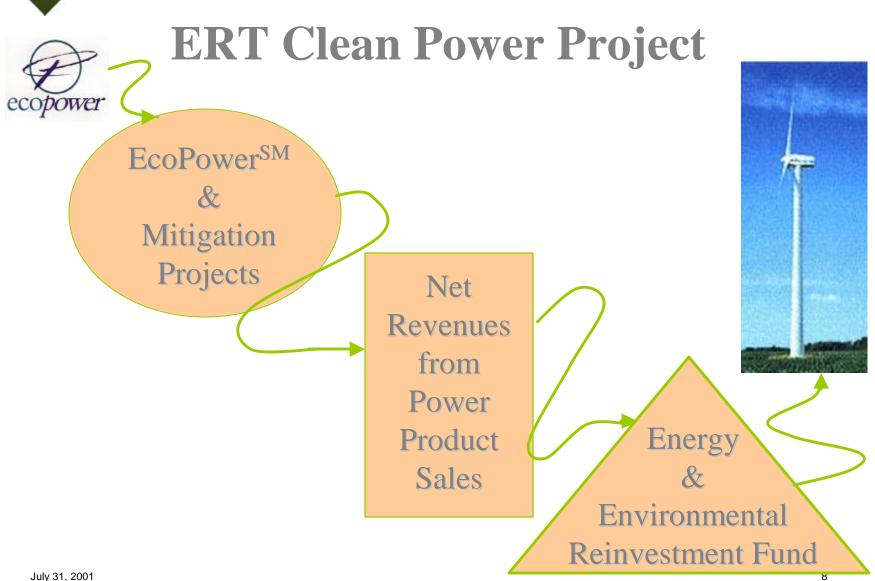
How ERT Will Satisfy Alliance Renewable Requirements

As the Alliance Renewable Portfolio Manager, ERT will fulfill the environmental requirements of the Alliance as follows:

Promoting Renewable Energy

- ERT will aggregate EcoPowersM Certificates from ComEd to meet Alliance renewable energy requirements
- Renewable resources in Year 1 will be based on landfill gas to energy
- ERT will identify additional renewable resources to offer, including wind and solar
- Renewable Certificates will be sold to the Alliance at a predetermined price
- ERT will bill the Alliance separately for the certificates
- Most of the premium paid for EcoPower[™] (70%) will be reinvested by ERT in new renewable energy projects in Illinois





ERT

Harnessing the Power of *Markets* . . . to Improve the *Environment*

How ERT Will Satisfy Alliance Renewable Requirements, Continued

Quantifying the Emission Reduction Benefit

- ERT provides a Substantiation Memo quantifying the net environmental benefit of utilizing renewable resources, audited by a Big 5 Accounting Firm
- ERT will quantify the Alliance's emissions reduction benefit, based on the mix of renewables in the portfolio
- By displacing fossil fueled generation, EcoPower[™] landfill gas to energy provides a net environmental benefit in lower air emissions of:

2,136 lb CO₂ per MWh

7.45 lb NO_x per MWh

16.15 lb SO₂ per MWh

• For example, purchasing 57,000 MWh of EcoPowers reduces the Alliance's environmental footprint by:

60,900 Tons of CO2

212 Tons of NOx

461 Tons of SO2



Renewable Certificates- How Do They Work?

- Renewable certificates represent the environmental attributes of a renewable energy resource
- These certificates can be purchased in MWh blocks and combined with commodity power to produce green power
- The green certificate price represents the premium buyers are willing to pay for environmentally friendlier power
- The Automated Power Exchange (APX) Midwest Green Power Market provides an audit function that will track certificate sales between ComEd and ERT
- This verification feature eliminates the possibility of renewable certificates being sold twice

No. XXX123



**2564 MWh

TICKETS

SPECIMEN

EcoPower Tickets from ComEd

This certifies that City of Chicago, Department of Aviation

Is the owner of **2564 MWh of EcoPowerSM Tickets

Energy Resource: Landfill Gas to Energy

Generated: Year 2001

Date of Issuance: August 1, 2001

Seal





Summary of Roles and Responsibilities

Alliance Members

Determine quantity of renewable energy desired annually

Environmental Resource Trust

- Assists Alliance members in renewable energy purchase decisions
- Aggregates renewable certificates for sale to Alliance members
- Substantiates the environmental benefit of EcoPowers™
- Reinvests premiums into new renewable energy resource development

ComEd

- Creates EcoPowers
 renewable certificates
- Transfers EcoPowers
 renewable certificates to ERT